

Recovery Plan Action Status

Plan Name: Final Recovery Plan for the Carson Wandering Skipper (*Pseudocopaeodes eunus obscurus*)

Plan Status: Final

Plan Date: 13-Sep-07

Lead Agency: USFWS

Lead Office: Nevada Fish And Wildlife Office

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Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Carson wandering skipper (<i>Pseudocopaeodes eunus obscurus</i>)	1	1.1	Identify and map known occupied sites, especially those of suspected source populations.	Partially Complete	FY 2006		University of Nevada at Reno, Bureau Land Management , Honey Lake Conservation Team, California Department of Fish and Game, U.S. Fish and Wildlife Service	Research: General	Graduate Student, Internal Field Assistance	Total costs include \$2k per party; costs in FY 2007 and FY 2009 include \$1k per party
Carson wandering skipper (<i>Pseudocopaeodes eunus obscurus</i>)	3	1.10	Coordinate with federal, state, and local agencies to address issues of large-scale ground water pumping to ensure adverse impacts to the Carson wandering skipper do not occur.	Ongoing Not Current			Bureau Land Management	Other	Internal Administrative	Costs within existing budgets
Carson wandering skipper (<i>Pseudocopaeodes eunus obscurus</i>)	1	1.11	Work with non-Federal interests to develop and implement Safe Harbor agreements, conservation agreements, habitat conservation plans, or other programs to protect, restore, enhance, and manage existing Carson wandering skipper populations and habitat as well as potential habitat.	Ongoing Current	FY 2005		Landowners, U.S. Fish and Wildlife Service	Management: Land Use	Internal Administrative	Pioneer Meadows HCP completed. Permit issued 8/24/2005

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Carson wandering skipper (Pseudocopaeodes eunus obscurus)	2	1.12	Coordinate with State wildlife resource agencies to provide Federal section 6 funds to be used by the states to carry out species recovery actions.	Not Started			Nevada Department of Wildlife, California Department of Fish and Game, U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	Total costs TBD
Carson wandering skipper (Pseudocopaeodes eunus obscurus)	1	1.13	Coordinate with BLM to acquire additional habitat and water rights from a willing seller at the Washoe County, Nevada, Site #1 and develop a management plan.	Not Started			Bureau Land Management	Work type not yet selected	Labor type not yet selected	This property and 25 acre-feet of water rights were acquired by BLM in 2005
Carson wandering skipper (Pseudocopaeodes eunus obscurus)	2	1.14	Seek to acquire additional occupied or potential habitat from willing sellers, when possible, through fee acquisition.	Not Started			To be determined	Work type not yet selected	Labor type not yet selected	Total costs TBD
Carson wandering skipper (Pseudocopaeodes eunus obscurus)	2	1.15	Conduct Endangered Species Act section 7 consultations to protect and enhance Carson wandering skipper populations and habitat.	Ongoing Current	FY 2000 - FY 2004		USDA Animal and Plant Health Inspection Service, U.S. Bureau of Land Management, U.S. Department of Justice, U.S. Federal Highway Administration, U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, Department of Defense , Natural Resource Conservation Service	Work type not yet selected	Labor type not yet selected	Costs within existing budgets
Carson wandering skipper (Pseudocopaeodes eunus obscurus)	3	1.16	Coordinate with the COE to avoid, minimize, or compensate for impacts to Distichlies and wetland habitat in relation to section 404 of the Clean Water Act activities.	Not Started			U.S. Army Corps of Engineers, U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	Costs within existing budgets

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Carson wandering skipper (Pseudocopaeodes eunus obscurus)	3	1.17	Coordinate with Caltrans and CDFG regarding implementation of the Honey Lake Mitigation Bank in consideration of the Carson wandering skipper.	Not Started			California Department of Transportation, U.S. Fish and Wildlife Service, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	Costs within existing budgets
Carson wandering skipper (Pseudocopaeodes eunus obscurus)	3	1.18	Coordinate with the Honey Lake Conservation Team/California State Land Commission on the management of their lands adjacent to Honey Lake in consideration of the Carson wandering skipper.	Ongoing Current	FY 2000 - FY 2004		Bureau Land Management , California Department of Fish and Game, U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	Costs within existing budgets
Carson wandering skipper (Pseudocopaeodes eunus obscurus)	1	1.2	Establish appropriate long-term management of occupied sites, especially those of suspected source populations.	Not Started			Bureau Land Management , Landowners, California Department of Fish and Game, U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	Total costs TBD
Carson wandering skipper (Pseudocopaeodes eunus obscurus)	1	1.3	Identify and map spring sites important to the Carson wandering skipper.	Not Started			University of Nevada at Reno, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, California Department of Fish and Game, Honey Lake Conservation Team	Work type not yet selected	Labor type not yet selected	Total costs include \$2k per party; costs in FY 2007 and FY 2009 include \$1k per party
Carson wandering skipper (Pseudocopaeodes eunus obscurus)	1	1.4	Establish appropriate long-term management of important spring sites.	Not Started			Bureau Land Management , Landowners, California Department of Fish and Game, U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	Total costs TBD

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Carson wandering skipper (Pseudocopaeodes eunus obscurus)	2	1.5	Support mapping of Lepidium latifolium by Federal, State, local agencies, and other interested parties.	Ongoing Current	FY 2000 - FY 2004		University of California Cooperative Extension Service, Natural Resource Conservation Service, Honey Lake Conservation Team, Lassen County Special Weed Action Team	Work type not yet selected	Labor type not yet selected	Total costs include \$12.5k per party; costs in FY 2008 and FY 2009 include \$6.25k per party
Carson wandering skipper (Pseudocopaeodes eunus obscurus)	2	1.6	Support control of Lepidium latifolium by Federal, State, local agencies, and other interested parties.	Ongoing Current	FY 2007		University of California Cooperative Extension Service, Landowners , Natural Resource Conservation Service, Lassen County Special Weed Action Team	Work type not yet selected	Labor type not yet selected	Total costs include \$750k per party; costs in FY 2009 through FY 2011 include \$150k per party
Carson wandering skipper (Pseudocopaeodes eunus obscurus)	2	1.7	Support monitoring of Lepidium latifolium by Federal, State, local agencies, and other interested parties.	Ongoing Current	FY 2000 - FY 2004		University of California Cooperative Extension Service, Natural Resource Conservation Service, Honey Lake Conservation Team, Lassen County Special Weed Action Team	Work type not yet selected	Labor type not yet selected	Total costs include \$8k per party; costs in FY 2010 include \$2k per party
Carson wandering skipper (Pseudocopaeodes eunus obscurus)	1	1.8	Work with interested landowners, UCCE, and other interested parties to control Lepidium latifolium at occupied and potential sites.	Ongoing Current			To be determined	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	Costs within existing budgets;
Carson wandering skipper (Pseudocopaeodes eunus obscurus)	3	1.9	Work with interested landowners of occupied sites to develop livestock grazing plans to enhance habitat conditions for the Carson wandering skipper.	Not Started			University of California Cooperative Extension Service, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, Landowners , Natural Resource Conservation Service, Ag Agencies	Work type not yet selected	Labor type not yet selected	

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Carson wandering skipper (Pseudocopaeodes eunus obscurus)	1	2.1	Develop and implement a program to survey for additional populations.	Not Started			University of Nevada at Reno, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, Academic institutions, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	Total costs include \$25k per party; costs in FY 2007 and FY 2009 include \$8.3k per party
Carson wandering skipper (Pseudocopaeodes eunus obscurus)	1	2.2	Develop and implement a monitoring program for known populations and habitat for trends and threats.	Ongoing Current	FY 2000 - FY 2004		University of Nevada at Reno, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, Academic institutions, California Department of Fish and Game, Honey Lake Conservation Team	Work type not yet selected	Labor type not yet selected	Total costs include \$100k per party; costs in FY 2007 through FY 2011 include \$5k per party
Carson wandering skipper (Pseudocopaeodes eunus obscurus)	1	2.3	Better understand ecological (including specific habitat needs) and life history requirements of the Carson wandering skipper.	Not Started			California State Lands Commission, University of Nevada at Reno, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, Academic institutions, California Department of Fish and Game, Honey Lake Conservation Team	Work type not yet selected	Labor type not yet selected	
Carson wandering skipper (Pseudocopaeodes eunus obscurus)	1	2.4	Determine population structure and dispersal distance of Carson wandering skipper in Honey Lake and Warm Springs Valleys and at the Douglas County site.	Not Started			California State Lands Commission, University of Nevada at Reno, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, Academic institutions, California Department of Fish and Game, Honey Lake Conservation Team	Work type not yet selected	Labor type not yet selected	

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Carson wandering skipper (Pseudocopaeodes eunus obscurus)	2	2.5	Determine the relationship between livestock grazing and the Carson wandering skipper and its habitat	Not Started			University of California Cooperative Extension Service, Academic institutions, Natural Resource Conservation Service, Ag Agencies	Work type not yet selected	Labor type not yet selected	Total costs include \$7.5k per party; costs in FY 2009 through FY 2011 include \$2.5k per party
Carson wandering skipper (Pseudocopaeodes eunus obscurus)	3	2.6	Develop a hydrologic model to better understand the relationship between surface and groundwater resources in Honey Lake and Warm Springs Valleys and at the Douglas County site.	Not Started			Washoe County Department of Water Resources	Work type not yet selected	Labor type not yet selected	
Carson wandering skipper (Pseudocopaeodes eunus obscurus)	3	2.7	Develop techniques for captive propagation with possible introduction/reintroduction to unoccupied, suitable sites.	Not Started			University of Nevada at Reno, U.S. Fish and Wildlife Service, Academic institutions	Work type not yet selected	Labor type not yet selected	Costs for technique development. Need for augmentation to be assessed; partners not identified at this time.
Carson wandering skipper (Pseudocopaeodes eunus obscurus)	3	2.8	Develop techniques for Carson wandering skipper habitat creation and enhancement.	Not Started			University of Nevada at Reno, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, California Department of Fish and Game, Natural Resource Conservation Service	Work type not yet selected	Labor type not yet selected	Total costs include \$8k per party; costs in FY 2011 include \$2k per party
Carson wandering skipper (Pseudocopaeodes eunus obscurus)	3	3.1	Create an internet web site to provide information on the subspecies and the recovery process.	Not Started			U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	
Carson wandering skipper (Pseudocopaeodes eunus obscurus)	3	3.2	Prepare general information materials for the public.	Ongoing Not Current			U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	

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Carson wandering skipper (Pseudocopaeodes eunus obscurus)	3	3.3	Use and develop kiosks at appropriate sites for educational material distribution.	Not Started			California Department of Transportation, California State Lands Commission, California Department of Fish and Game, Honey Lake Conservation Team	Work type not yet selected	Labor type not yet selected	
Carson wandering skipper (Pseudocopaeodes eunus obscurus)	2	3.4	Encourage Resource Conservation Districts and cooperative extension to provide technical assistance to landowners to further land management activities to assist in Carson wandering skipper recovery.	Not Started			Appropriate State and Federal agencies	Work type not yet selected	Labor type not yet selected	Costs within existing budgets
Carson wandering skipper (Pseudocopaeodes eunus obscurus)	3	3.5	Foster community involvement and educational opportunities with schools, scouts, 4H, and other groups to assist in Carson wandering skipper recovery.	Not Started			University of California Cooperative Extension Service, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, California Department of Fish and Game, Natural Resource Conservation Service	Work type not yet selected	Labor type not yet selected	Total costs include \$8k per party; costs in FY 2008 and FY 2009 include \$1k per party
Carson wandering skipper (Pseudocopaeodes eunus obscurus)	1	3.6	Identify landowners with suitable habitat willing to assist in the recovery of Carson wandering skipper.	Not Started			U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, Natural Resource Conservation Service	Work type not yet selected	Labor type not yet selected	Total costs include \$1k per party; costs in FY 2008 include \$1k per party
Carson wandering skipper (Pseudocopaeodes eunus obscurus)	3	4.1	Revise the recovery plan as appropriate at 5-year intervals.	Not Started			U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	
Carson wandering skipper (Pseudocopaeodes eunus obscurus)	3	4.2	Hold periodic stakeholder meetings to encourage information sharing.	Not Started			U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	